

Study for your 15 minute quiz on 2.1 - 2.2 tomorrow.

For each problem, find the zeros for each polynomial and give the multiplicity for each zero. State whether the graph crosses the x-axis, or touches the x-axis and turns around, at each zero.

1. $f(x) = x^3 - 2x^2 + x$

2. $f(x) = 3(x + 5)(x + 2)^2$

3. $f(x) = x^3 + 7x^2 - 4x - 28$